

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number:

0 469 637 A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: **91115969.7**

(51) Int. Cl.⁵: **G07D 11/00, G07F 19/00**

(22) Date of filing: **10.02.89**

(30) Priority: **13.02.88 JP 31709/88**
15.02.88 JP 32579/88

(43) Date of publication of application:
05.02.92 Bulletin 92/06

(60) Publication number of the earlier application in
accordance with Art.76 EPC: **0 329 034**

(84) Designated Contracting States:
AT BE CH DE ES FR GB GR IT LI LU NL SE

(88) Date of deferred publication of the search report:
11.03.92 Bulletin 92/11

(71) Applicant: **OMRON CORPORATION**
10, Tsuchido-cho Hanazono Ukyo-ku
Kyoto 616(JP)
Applicant: **International Business Machines**
Corporation
Old Orchard Road
Armonk, N.Y. 10504(US)

(72) Inventor: **Azuchi, Isamu**
723-1, Tokunobu
Hiratsuka-shi, Kanagawa-ken(JP)
Inventor: **Fujikura, Hiroshi**
2-15, Wakakusadai, Midori-ku
Yokohama-shi, Kanagawa-ken(JP)
Inventor: **Onomoto, Ryuichi**
67, Nomura-cho
Kusatsu-shi, Shiga-ken(JP)
Inventor: **Haruna, Yoshinobu**
Takinosawacorporatown D203 goh, 1024-1
Endoh
Fujisawa-shi, Kanagawa-ken(JP)
Inventor: **Nishikawa, Masato**
45-2, Yousumi-cho, Nishino, Yamashina-ku
Kyoto-shi, Kyoto-fu(JP)

(74) Representative: **Wilhelms, Rolf E., Dr. et al**
WILHELMS, KILIAN & PARTNER
Patentanwälte Eduard-Schmid-Strasse 2
W-8000 München 90(DE)

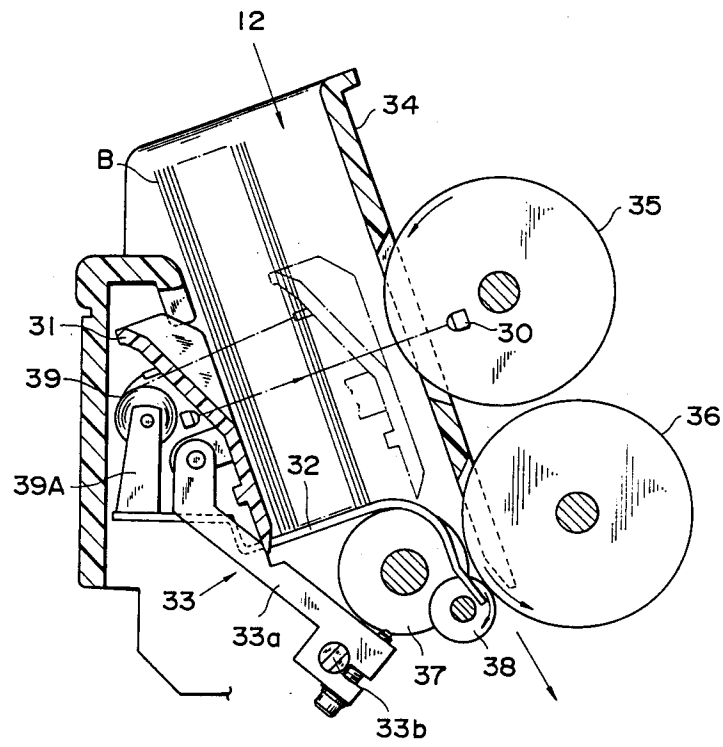
(54) **Bill handler.**

(57) In a bill handling machine the insert opening is closed by the coil springs (39) of the push plate (31), which act as a prohibiting member to prevent

the insertion of bills during a bill operation cycle. The coil springs are extended, when the push plate is in the push position.

EP 0 469 637 A3

Fig.4





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 91115969.7		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)		
Y	EP - A - 0 109 743 (FUJITSU LIMITED) * Page 6, line 17-28; fig. 4,9 * --	1,3	G 07 D 11/00 G 07 F 19/00		
Y	DE - A - 3 621 447 (LAUREL BANK MACHINE & CO) * Claim; fig. 1-3 *	1,3			
A	-----	2			
REFUND: NONE			TECHNICAL FIELDS SEARCHED (Int. Cl.5)		
			G 07 D 1/00 G 07 D 11/00 G 07 F 19/00		
The present search report has been drawn up for all claims					
Place of search VIENNA		Date of completion of the search 23-12-1991	Examiner BISTRICH		
<table><tr><td>CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</td><td>Legend T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document</td></tr></table>				CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document	Legend T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document	Legend T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document				